

PRIMARY WATER BUDGET COMPONENTS DERIVED FROM INCREMENTAL SIMULATIONS OF THE SFWMM

This portion of Appendix I presents specific information regarding the primary water budget components of the SFWMM Version 3.7 simulations performed for the *Lower East Coast Regional Water Supply Plan* (LEC Plan). The information presented is derived from the 1995 Revised Base Case, the LEC incremental (2005, 2010, and 2015), and the LEC-1 Revised simulations. The capabilities of each incremental simulation depend on the water resource and water supply development features and the operational rules and strategies included in each simulation. Key information about the structural and operational components in the incremental simulations is provided in **Table I-1**. While the operational rules and strategies simulated reasonably represent existing operations and adjustments that will be made as components come on line, they are only illustrative of the capabilities of the system. Final decisions about the operating criteria will depend on additional planning, detailed designs, and as-built conditions. Decision points for the operating rules will include rulemaking that will adopt reservations of water, Minimum Flows and Levels (MFL), and MFL recovery and prevention plans.

The simulation results are presented in **Tables I-2** through **I-7**. Three pairs of tables contain information on the Lake Okeechobee water budget, the average amount of water delivered from individual plan components, and the water delivered to basins to meet demands from individual plan components. The first of each pair presents average annual information, while the second presents the average for five drought years (1971, 1975, 1981, 1985, and 1989) occurring during the 31-year simulation.

Table I-1. Summary of Key Structural and Operational Components and Assumptions.

Key Structural Components	Key Operational Components and Assumptions
1995 Revised Base Case	
<ul style="list-style-type: none"> Present system components 	<ul style="list-style-type: none"> Water Supply and Environmental (WSE) Schedule in Lake Okeechobee Agricultural Field-Scale Irrigation Requirements Simulation (AFSIRS) demands and runoff in the Caloosahatchee Basin Big Cypress Seminole Entitlement No Best Management Practice (BMP) makeup water No Everglades Agriculture Area (EAA) runoff reduction Rainfall plan deliveries to Everglades National Park
2005	
<ul style="list-style-type: none"> Everglades Construction Project Modified water deliveries as in the General Design Memorandum C-111 Project Utility preferred redistribution of wellfields Utility Aquifer Storage and Recovery (ASR) in Miami-Dade County (25 MGD) Broward Secondary Canal System (north only) 	<ul style="list-style-type: none"> Operational changes due to the Everglades Construction Project WSE schedule in Lake Okeechobee Regulation schedules in Water Conservation Areas (WCAs) 1, 2A, and 2B. Rain-driven operations in WCA-3A and 3B Rain-driven operation for deliveries to Everglades National Park
2010	
<ul style="list-style-type: none"> Everglades Construction Project L-31 seepage management without seepage barrier and new S336B structure to help Biscayne Bay WCA-3A and 3B seepage management Phase 1 of WCA-3A Decompartmentalization <ul style="list-style-type: none"> Fill Miami Canal in WCA-3A WCA-3B Decompartmentalization <ul style="list-style-type: none"> Degrade L-29 Levee but leave L-29 Canal Remove S-355 structures S-356 structure redirected into Everglades National Park buffer area Leave S-333 structure in place C-111 Project EAA Reservoir (180,000 ac-ft) EAA North Surge Tank (120,000 ac-ft) C-43 Reservoir (160,000 ac-ft) C-44 Reservoir (30,000 ac-ft) Site-1 Reservoir (14,760 ac-ft) C-9 Impoundment (10,000 ac-ft) C-11 Impoundment (6,400 ac-ft) Taylor Creek Nubbin Slough Reservoir (50,000 ac-ft) Utility preferred wellfield distribution Utility ASR in Miami Dade County (50 MGD) Broward Secondary Canal System (all) 	<ul style="list-style-type: none"> WSE schedule modified to send water to EAA reservoirs Regulation schedule in WCA-1 Rain-driven operations in WCA-2A, 2B, 3A, and 3B Rain-driven operation for deliveries to Everglades National Park
2015	
<ul style="list-style-type: none"> Everglades Construction Project L-31 seepage management without seepage barrier and new S336B structure to help Biscayne Bay WCA-3A and 3B seepage management Phase 1 of WCA-3A Decompartmentalization <ul style="list-style-type: none"> Fill Miami Canal in WCA-3A WCA-3B Decompartmentalization <ul style="list-style-type: none"> Degrade L-29 Levee but leave L-29 Canal Remove S-355 structures S-356 structure redirected into Everglades National Park buffer area Leave S-333 structure in place C-111 Project North of Lake Okeechobee Reservoir (201,250 ac-ft) 	<ul style="list-style-type: none"> WSE schedule modified to send water to EAA reservoirs and Lake Okeechobee ASR Regulation schedule in WCA-1 Rain-driven operations in WCA-2A, 2B, 3A, and 3B Rain-driven operation for deliveries to Everglades National Park

Table I-1. Summary of Key Structural and Operational Components and Assumptions. (Continued)

Key Structural Components	Key Operational Components and Assumptions
<ul style="list-style-type: none"> EAA Reservoir (180,000 ac-ft) EAA North Surge Tank (120,000 ac-ft) EAA South Surge Tank (60,000 ac-ft) C-43 Reservoir (160,000 ac-ft) C-44 Reservoir (30,000 ac-ft) Southern L-8 Reservoir (50,000 ac-ft) Palm Beach Agricultural Reserve Reservoir (19,920 ac-ft) Site-1 Reservoir (14,760 ac-ft) C-9 Impoundment (10,000 ac-ft) C-11 Impoundment (6,400 ac-ft) Taylor Creek Nubbin Slough Reservoir (50,000 ac-ft) Bird Drive Reservoir (11,500 ac-ft) C-43 ASR (220 MGD) Lake Okeechobee ASR (500 MGD) C-51 Regional ASR (170 MGD) West Palm Beach Catchment Area ASR (50 MGD) Palm Beach County Agricultural Reserve Reservoir ASR (75 MGD) Site-1 ASR (150 MGD) Utility preferred redistribution of wellfields Utility ASR in Miami-Dade County (75 MGD) 	
LEC-1 Revised	
<ul style="list-style-type: none"> Everglades Construction Project L-31 seepage management with seepage barrier WCA-3A and 3B seepage management Phase I and II WCA-3A Decompartmentalization <ul style="list-style-type: none"> S-356 structure redirected into Everglades National Park buffer area North of Lake Okeechobee Reservoir (201,250 ac-ft) EAA Reservoir (180,000 ac-ft) EAA North Surge Tank (120,000 ac-ft) EAA South Surge Tank (60,000 ac-ft) C-43 Reservoir (160,000 ac-ft) C-44 Reservoir (30,000 ac-ft) Southern L-8 Reservoir (50,000 ac-ft) Palm Beach Agricultural Reserve Reservoir (19,920 ac-ft) Site-1 Reservoir (14,760 ac-ft) C-9 Impoundment (10,000 ac-ft) C-11 Impoundment (6,400 ac-ft) Taylor Creek Nubbin Slough Reservoir (50,000 ac-ft) Bird Drive Reservoir (11,500 ac-ft) C-43 ASR (220 MGD) Lake Okeechobee ASR (1000 MGD) C-51 Regional ASR (170 MGD) West Palm Beach Catchment Area ASR (50 MGD) Palm Beach County Agricultural Reserve Reservoir ASR (75 MGD) Site-1 ASR (150 MGD) Miami-Dade County reuse facilities (131 MGD south facility; 50 MGD west facility) Utility preferred wellfield distribution Utility ASR in Miami-Dade County (75 MGD) North Lake Belt Storage Area (43,500 ac-ft) Central Lake Belt Storage Area (92,160 ac-ft) 	<ul style="list-style-type: none"> WSE Schedule modified to send water to EAA reservoirs and Lake Okeechobee ASR Regulation schedule in WCA-1 Rain-driven operations in WCA-2A, 2B, 3A, and 3B Overland flow from WCA3A and 3B to Everglades National Park as all structures are removed

Table I-2. Average Annual Lake Okeechobee Water Budgets
(all estimates are in units of 1,000 ac-ft).

	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Inflows					
Rainfall	1,684	1,684	1,684	1,684	1,684
Fixed inflows (Modified Delta Storage [MDS])	942	942	942	942	942
Kissimmee Inflows	980	980	932	932	932
Taylor Creek Inflows	126	126	32	17	18
Taylor Creek Reservoir Inflows	0	0	72	104	103
ASR to Lake Okeechobee	0	0	0	57	115
St. Lucie River Back Flows	80	80	79	87	86
Caloosahatchee River Back Flows	7	13	12	7	5
EAA Backpumping	53	51	4	3	3
C43 Reservoir Backpumping	0	0	0	0	0
C44 Reservoir Back Flow	0	0	7	9	10
North of Lake Okeechobee Storage Reservoir	0	0	0	51	49
L8 Back Flows	55	6	8	6	5
S309 Back Flows	0	53	55	57	60
Other Inflows	67	43	44	42	43
Total	3,994	3,978	3,871	3,998	4,055
Outflows					
Evapotranspiration (ET)	2,377	2,368	2,360	2,368	2,380
Fixed Outflows (MDS)	283	283	283	283	283
St. Lucie Regulatory	143	111	47	21	12
St. Lucie Agricultural Demands	25	24	22	24	25
St. Lucie Estuary Minimum Flows	0	0	9	11	14
Caloosahatchee Regulatory	367	275	108	46	28
Caloosahatchee Agricultural Demands	90	114	79	28	29
Caloosahatchee Estuary Minimum Flows	0	0	15	16	16
Regulatory to EAA Storage	0	0	204	252	220
Regulatory to WCAs	58	181	144	111	96
Water St. to Lucie Reservoir	0	0	0	0	0
Water to Caloosahatchee Reservoir	0	0	44	15	13
Water Supply to EAA	372	352	107	90	85
Water Supply to the LEC Service Areas	77	73	95	85	90
Water Supply to Glades	0	3	125	208	193
Water Supply to the Stormwater Treatment Areas (STAs)	0	5	3	3	3
North Storage	0	0	0	96	98
Lake Okeechobee to ASR	0	0	0	113	233
Other Outflows	163	154	189	193	198
Total	3,955	3,943	3,834	3,963	4,016

Table I-3. Lake Okeechobee Water Budgets for Drought Years^a
(all estimates are in units of 1,000 ac-ft).

	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Inflows					
Rainfall	1,383	1,383	1,383	1,383	1,383
Fixed inflows (MDS)	657	657	657	657	657
Kissimmee Inflows	386	386	434	434	434
Taylor Creek Inflows	76	76	0	0	0
Taylor Creek Reservoir Inflows	0	0	97	91	91
ASR to Lake Okeechobee	0	0	0	133	256
St. Lucie River Back Flows	106	106	98	98	98
Caloosahatchee River Back Flows	17	31	32	19	18
EAA Backpumping	43	49	4	2	2
C43 Reservoir Backpumping	0	0	0	0	0
C44 Reservoir Back Flow	0	0	7	8	8
North Storage	0	0	0	36	40
L8 Back Flows	71	11	19	16	9
S309 Back Flows	0	25	19	22	31
Other Inflows	57	35	34	33	33
Total	2,796	2,759	2,784	2,932	3,060
Outflows					
Evapotranspiration (ET)	2,350	2,328	2,308	2,327	2,354
Fixed Outflows (MDS)	322	322	322	322	322
St. Lucie Regulatory	0	0	0	0	0
St. Lucie Agricultural Demands	50	46	47	48	48
St. Lucie Estuary Minimum Flows	0	0	1	1	1
Caloosahatchee Regulatory	0	0	0	0	0
Caloosahatchee Agricultural Demands	135	166	158	59	57
Caloosahatchee Estuary Minimum Flows	0	0	23	31	31
Regulatory to EAA Storage	0	0	0	0	0
Regulatory to WCAs	0	2	0	0	0
Water to St. Lucie Reservoir	0	0	0	0	0
Water to Caloosahatchee Reservoir	0	0	0	0	0
Water Supply to EAA	457	424	258	226	205
Water Supply to the LEC Service Areas	198	264	306	271	251
Water Supply to Glades	0	13	113	242	222
Water Supply to the Stormwater Treatment Areas (STAs)	0	9	6	5	5
North Storage	0	0	0	0	0
Lake Okeechobee to ASR	0	0	0	0	0
Other Outflows	166	156	187	192	196
Total	3,678	3,730	3,729	3,724	3,692

a. The drought years were 1971, 1975, 1981, 1985, and 1989.

Table I-4. Average Annual Amounts of Water Delivered by the LEC Components
(all estimates are in units of 1,000 ac-ft).

Component	Beneficiary	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Caloosahatchee Reservoir	Basin water supply	N/A	N/A	56	Being addressed by the <i>Caloosahatchee Water Management Plan (CWMP)</i> (SFWMD, 2000)	
	Caloosahatchee Estuary	N/A	N/A	83		
Caloosahatchee ASR	Basin water supply	N/A	N/A	N/A		
	Caloosahatchee Estuary	N/A	N/A	N/A		
St. Lucie Reservoir	Basin water supply	N/A	N/A	1	1	1
	St. Lucie Estuary	N/A	N/A	9	9	8
	To Lake Okeechobee	N/A	N/A	7	9	10
North of Lake Okeechobee Storage (recovery)	Entire system (via Lake Okeechobee)	N/A	N/A	N/A	51	49
Lake Okeechobee ASR (recovery)	Entire system (via Lake Okeechobee)	N/A	N/A	N/A	57	115
EAA Reservoir Compartment 1	EAA Water Supply	N/A	N/A	219	199	204
	To EAA Reservoir Compartment 2A	N/A	N/A	12	16	20
EAA Reservoir Compartment 2A	EAA Water Supply	N/A	N/A	7	5	6
	Glades	N/A	N/A	210	135	122
EAA Reservoir Compartment 2B	Glades	N/A	N/A	N/A	126	110
LEC Service Area (LECSA) 1 and North Palm Beach Service Area (NPBSA) Reservoirs	LECSA 1 and NPBSA users	N/A	N/A	7	17	10
LECSA 1 and NPBSA ASR	LECSA 1 and NPBSA users	N/A	N/A	N/A	49	51
	EAA	N/A	N/A	N/A	34	37
LECSA 1 ASR	LECSA 2 water supply	N/A	N/A	N/A	25	32
C-9 Impoundment	LECSA 3 water supply	N/A	N/A	1	1	0
North Lake Belt Reservoir	LECSA 3 water supply	N/A	N/A	N/A	N/A	25
	Biscayne Bay	N/A	N/A	N/A	N/A	109
Central Lake Belt Reservoir	Glades	N/A	N/A	N/A	N/A	59
	Biscayne Bay	N/A	N/A	N/A	N/A	27
Bird Drive Recharge Area	LECSA 3 water supply	N/A	N/A	N/A	2	15
Southern Reuse Facility	Biscayne Bay	N/A	N/A	N/A	N/A	147
Western Reuse Facility	To Bird Drive Recharge Area	N/A	N/A	N/A	N/A	56
S-336B and S-338 Structures	To Biscayne Bay	118	64	110	125	8

Table I-5. Average Annual Amounts of Water Delivered by the LEC Components during Drought Years^a
(all estimates are in units of 1,000 ac-ft).

Component	Beneficiary	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Caloosahatchee Reservoir	Basin water supply	N/A	N/A	38	Being addressed by the <i>CWMP</i>	
	Caloosahatchee Estuary	N/A	N/A	60		
Caloosahatchee ASR	Basin water supply	N/A	N/A	N/A		
	Caloosahatchee Estuary	N/A	N/A	N/A		
St. Lucie Reservoir	Basin water supply	N/A	N/A	1	1	1
	St. Lucie Estuary	N/A	N/A	0	0	0
	To Lake Okeechobee	N/A	N/A	8	8	8
North of Lake Okeechobee Storage (recovery)	Entire system (via Lake Okeechobee)	N/A	N/A	N/A	36	40
Lake Okeechobee ASR (recovery)	Entire system (via Lake Okeechobee)	N/A	N/A	N/A	133	256
EAA Reservoir Compartment 1	EAA Agricultural Water Supply	N/A	N/A	150	155	168
	To EAA Reservoir Compartment 2A	N/A	N/A	19	21	26
EAA Reservoir Compartment 2A	EAA Agricultural Water Supply	N/A	N/A	0	0	2
	Glades	N/A	N/A	26	34	42
EAA Reservoir Compartment 2B	Glades	N/A	N/A	N/A	9	8
LEC Service Area (LECSA) 1 and North Palm Beach Service Area (NPBSA) Reservoirs	LECSA 1 and NPBSA users	N/A	N/A	11	22	13
LECSA 1 and NPBSA ASR	LECSA 1 and NPBSA users	N/A	N/A	N/A	69	76
	EAA	N/A	N/A	N/A	24	30
LECSA 1 ASR	LECSA 2 users	N/A	N/A	N/A	57	42
C-9 Impoundment	LECSA 3 water supply	N/A	N/A	2	2	0
North Lake Belt Reservoir	LECSA 3 water supply	N/A	N/A	N/A	N/A	27
	Biscayne Bay	N/A	N/A	N/A	N/A	70
Central Lake Belt Reservoir	Glades	N/A	N/A	N/A	N/A	75
	Biscayne Bay	N/A	N/A	N/A	N/A	8
Bird Drive Recharge Area	LECSA 3 water supply	N/A	N/A	N/A	1	19
Southern Reuse Facility	Biscayne Bay	N/A	N/A	N/A	N/A	147
Western Reuse Facility	To Bird Drive Recharge Area	N/A	N/A	N/A	N/A	56
S-336B and S-338 Structures	To Biscayne Bay	118	64	58	68	6

a. The drought years were 1971, 1975, 1981, 1985, and 1989.

Table I-6. Average Annual Basin Demands and How They Are Met
(all estimates are in 1,000 ac-ft).

Demand Basin/ Water Body	Total Demand/ Sources of Supply/ Demands Not Met	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Caloosahatchee Basin (surface water demand)	Total Demand ^a	112	144	160	176	192
	Lake Okeechobee	90	114	79	28	29
	Local Reservoir	N/A	N/A	56	Being addressed by the <i>CWMP</i>	
	Caloosahatchee Basin ASR	N/A	N/A	N/A		
	Local Sources and Rainfall	12	12	12		
	Demand Not Met	10	18	13		
St. Lucie Basin (surface water demand)	Total Demand	28	28	28	28	28
	Lake Okeechobee	25	24	22	24	25
	St. Lucie Reservoir	N/A	N/A	1	1	1
	Demand Not Met	3	4	4	3	1
EAA	Total Demand	1,542	1,430	1,281	1,244	1,244
	Lake Okeechobee	372	352	107	90	85
	EAA Reservoirs	N/A	N/A	226	205	209
	LECSA 1 Regional ASR	N/A	N/A	N/A	34	37
	Local Sources and Rainfall	1,126	1,021	924	900	905
	Demand Not Met	44	57	24	15	8
LECSA 1 (to maintain coastal canals)	Lake Okeechobee	40	16	14	8	3
	WCAs	35	94	85	43	32
	LECSA 1 Reservoirs	N/A	N/A	7	17	10
	LECSA 1 Regional ASR	N/A	N/A	N/A	49	51
LECSA 2 (to maintain canals)	Lake Okeechobee	4	7	12	3	9
	WCAs	7	5	12	1	8
	LECSA 1 Regional ASR	N/A	N/A	N/A	25	32
LECSA 3 (to maintain canals)	Lake Okeechobee	30	40	68	74	77
	WCAs	87	65	18	22	24
	LECSA 3 Reservoirs	N/A	N/A	1	3	40
Caloosahatchee Estuary	Caloosahatchee Basin Reservoir	N/A	N/A	83	Being addressed by the <i>CWMP</i>	
	Local Basin Runoff	N/A	N/A	341		
	Lake Okeechobee (Environmental)	N/A	N/A	15	16	16
	Lake Okeechobee (Regulatory)	367	275	108	46	28

Table I-6. Average Annual Basin Demands and How They Are Met (Continued)
(all estimates are in 1,000 ac-ft).

Demand Basin/ Water Body	Total Demand/ Sources of Supply/ Demands Not Met	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
St. Lucie Estuary	St. Lucie Basin Reservoir	N/A	N/A	9	9	8
	Local Basin Runoff ^b	N/A	N/A	587	587	587
	Lake Okeechobee (Environmental)	N/A	N/A	9	11	14
	Lake Okeechobee (Regulatory)	143	111	47	21	12
Glades (WCAs and Everglades National Park Rain-Driven Demands)	Lake Okeechobee ^c	N/A	3	125	208	193
	EAA Reservoirs	N/A	N/A	210	261	232
	EAA Drainage South ^d	1,070	970	663	664	662
	Regulatory from Lake Okeechobee	58	181	144	111	96
Everglades National Park	Northwest Shark River Slough	461	568	397	434	451
	Northeast Shark River Slough	88	402	524	596	685
	Total	549	970	921	1,030	1,136
Biscayne Bay	Snake Creek (S29)	172	155	190	185	114
	North Bay (G58, S28, and S27)	140	145	157	155	145
	Miami River (S26, 325B, and S25)	208	109	102	96	60
	Central Bay (G97, S22, and S123)	222	154	239	225	203
	South Bay (S21, S21A, S20F, S20G, and S197)	234	203	219	217	268

a. As estimated by the AFSIRS model developed by the University of Florida

b. Includes all contributing basins to the St. Lucie Estuary (C-23, C-24, North Fork, South Fork, and C-44)

c. Environmental releases from Lake Okeechobee to meet rain-driven demands

d. Includes flows from the Holey Land and Rotenberger wildlife management areas

Table I-7. Average Annual Basin Demands for Drought Years^a and How They Are Met
(all estimates are in 1,000 ac-ft).

Demand Basin/ Water Body	Total Demand/ Sources of Supply/ Demands Not Met	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
Caloosahatchee Basin (surface water demand)	Total Demand ^b	165	209	231	253	274
	Lake Okeechobee	135	166	158	59	57
	Local Reservoir	N/A	N/A	38	Being addressed by the <i>CWMP</i>	
	Caloosahatchee Basin ASR	N/A	N/A	N/A		
	Local Sources and Rainfall	13	12	11		
	Demand Not Met	17	31	24		
St. Lucie Basin (surface water demand)	Total Demand	54	54	54	54	54
	Lake Okeechobee	50	46	47	48	48
	St. Lucie Reservoir	N/A	N/A	1	1	1
	Demand Not Met	4	8	6	5	5
EAA	Total Demand	1,584	1,468	1,316	1,277	1,277
	Lake Okeechobee	457	424	258	226	205
	EAA Reservoirs	N/A	N/A	150	155	170
	LECSA 1 Regional ASR	N/A	N/A	N/A	24	30
	Local Sources and Rainfall	1,043	942	853	830	832
	Demand Not Met	84	102	55	42	40
LECSA 1 (to maintain coastal canals)	Lake Okeechobee	62	59	59	32	11
	WCAs	75	117	123	88	75
	LECSA 1 Reservoirs	N/A	N/A	11	22	13
	LECSA 1 Regional ASR	N/A	N/A	N/A	69	76
LECSA 2 (to maintain canals)	Lake Okeechobee	19	19	36	5	27
	WCAs	13	8	19	2	15
	LECSA 1 Regional ASR	N/A	N/A	N/A	57	42
LECSA 3 (to maintain canals)	Lake Okeechobee	105	138	207	230	212
	WCAs	133	98	23	30	29
	LECSA 3 Reservoirs	N/A	N/A	2	3	46
Caloosahatchee Estuary	Caloosahatchee Basin Reservoir	N/A	N/A	60	Being addressed by the <i>CWMP</i>	
	Local Basin Runoff	N/A	N/A	219		
	Lake Okeechobee (Environmental)	N/A	N/A	23	31	31
	Lake Okeechobee (Regulatory)	0	0	0	0	0

Table I-7. Average Annual Basin Demands for Drought Years^a and How They Are Met (Continued)
(all estimates are in 1,000 ac-ft).

Demand Basin/ Water Body	Total Demand/ Sources of Supply/ Demands Not Met	1995 Revised Base Case	2005	2010	2015	LEC-1 Revised
St. Lucie Estuary	St. Lucie Basin Reservoir	N/A	N/A	0	0	0
	Local Basin Runoff ^c	N/A	N/A	313	313	313
	Lake Okeechobee (Environmental)	N/A	N/A	1	1	1
	Lake Okeechobee (Regulatory)	0	0	0	0	0
Glades (WCAs and Everglades National Park Rain-Driven Demands)	Lake Okeechobee ^d	N/A	13	113	242	222
	EAA Reservoirs	N/A	N/A	26	43	50
	EAA Drainage South ^e	916	817	550	548	536
	Regulatory from Lake Okeechobee	0	2	0	0	0
Everglades National Park	Northwest Shark River Slough	143	247	142	171	183
	Northeast Shark River Slough	49	193	219	274	306
	Total	192	440	361	445	489
Biscayne Bay	Snake Creek (S29)	133	120	140	136	81
	North Bay (G58, S28, and S27)	106	109	119	118	111
	Miami River (S26, 325B, and S25)	121	74	64	59	33
	Central Bay (G97, S22, and S123)	128	100	132	124	135
	South Bay (S21, S21A, S20F, S20G, and S197)	151	136	150	149	210

a. The drought years were 1971, 1975, 1981, 1985, and 1989

b. As estimated by the AFSIRS model developed by the University of Florida

c. Includes all contributing basins to the St. Lucie Estuary (C-23, C-24, North Fork, South Fork, and C-44)

d. Environmental releases from Lake Okeechobee to meet rain-driven demands

e. Includes flows from the Holey Land and Rotenberger wildlife management areas

